

SEQUENCE LISTING

<110> University of Rochester
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<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL
FOLD ANALYSIS

<130> 176/61751

<140>
<141>

<150> 60/533,894
<151> 2004-01-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1
<211> 960
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Partial gene
sequence of Bacillus anthracis pag gene

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aagaactttt ctttcacccat ggattttctaa tattcatgaa aagaaaggat taaccaaata 120
taaatacatct cctgaaaaat ggagcacggc ttctgatccg tacagtgatt tcgaaaagggt 180
tacaggacgg attgataaga atgtatcacc agaggcaaga cacccttg tggcagctta 240
tccgattgta catgtagata tggagaatat tattctctca aaaaatgagg atcaatccac 300
acagaatact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gtaggacaca 360
tactagtga gtacatggaa atgcagaagt gcatgcgtcg ttctttgata ttggtgggag 420
tgtatctgca ggatttagta attcgaattc aagtacggtc gcaattgatc attcactatc 480
tctagcaggg gaaagaactt gggctgaaac aatgggttta aataccgctg atacagcaag 540
attaaatgcc aatattagat atgtaaatatc tgggacggct ccaatctaca acgtgttacc 600
aacgacttcg ttagtggttag gaaaaaatca aacactcgcg acaattaaag ctaaggaaaa 660
ccaattaagt caaataacttg cacctaataa ttattatcct tctaaaaact tggcgccaat 720
cgcattaaat gcacaagacg atttcagttc tactccaatt acaatgaatt acaatcaatt 780
tcttgagtta gaaaaaacga aacaattaag attagatacg gatcaagtat atgggaatat 840
agcaacatac aattttgaaa atggaagagt gaggggtggat acaggctcga actggagtga 900
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<210> 2
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Hairpin probe
 BaPag668-706 specific for Bacillus anthracis pag
 gene

<400> 2
 tttctttcac catggatttc taatattcat gaaaagaaa 39

<210> 3
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Hairpin probe
 BaPag1208-1241 specific for Bacillus anthracis pag
 gene

<400> 3
 tcgttagtgt taggaaaaaa tcaaacactc gcga 34

<210> 4
 <211> 350
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Partial
 sequence of Staphylococcus aureus genome

<400> 4
 gaaatgaatg ttacggaaca aacgatgcaa caaaatcatg ctaattttaga ataaaataaa 60
 gatagtcgat aatatgatgc ctaggcagaa atattatcga ttatTTTTTT taaattatag 120
 tataatatca ataataaacg aataggggtg ttaatatga ttatTTTTTT gatTTTgatg 180
 gtacgttggc agacacgaaa aaatgtggtg acaaagtgca tttaaagcat gtggcttaac 240
 ggaaccatca tctaaagaaa tatgggaata cctattgaag aatcattttt aaaattagca 300
 gaccgaccat agcatttagca aagttaatcg atacatttag acatacatat 350

<210> 5

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
AH2 specific for Staphylococcus aureus genome

<400> 5
cgataatatg atgcctaggc agaaatatta tcg 33

<210> 6
<211> 37
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Hairpin probe
BH2 specific for Staphylococcus aureus genome

<400> 6
tatcaataat aaacgaatag ggggtgtaat attgata 37

<210> 7
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<212> DNA
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<223> Description of Artificial Sequence: Complement of
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<400> 7
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<210> 8
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<212> DNA
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<223> Description of Artificial Sequence: Complement of
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34

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Complement of
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33

<210> 10

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Complement of
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<400> 10

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<210> 11

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 11

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49

<210> 12

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 12

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39

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 13

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44

<210> 14

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 14

cgacgactgt taggaaaaaa tcaaacactc gtcg

34